



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

08/479,038

06/07/1995

William N. Drohan

1327.0440006

7774

7590 03/13/2007  
STERNE KESSLER GOLDSTEIN AND FOX, P.L.L.C.  
1100 NEW YORK AVENUE N W  
SUITE 600  
WASHINGTON, DC 20005-3934

EXAMINER

WITZ, JEAN C

ART UNIT

PAPER NUMBER

1651

MAIL DATE

DELIVERY MODE

03/13/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
www.uspto.gov

Serial No. : 08479038  
Applicant : Drohan  
Filing Date : 6/7/95  
Date Mailed : 3/13/07

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

### *Notice of Allowance Mailed*

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given 60 days from the mail date of this Notice within which to correct the informalities indicated below. If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), "all outstanding requirements" will be considered to have been satisfied when the informality has been corrected. A failure to reply will result in the application being ABANDONED. **This period for reply is NOT extendable under 37 CFR 1.136(a).**

Figure 2 was omitted from the formal drawings filed 11/1/04. An amended Figure 2, cited in the Remarks on p. 13 of the amendment paper of the same date, was not found among the papers. The original Figure 2 of 6/7/95 is not acceptable because of the deficiencies cited in the PTO-948 mailed 7/2/04 (copy attached).  
A replacement Figure 2 is required.

*A copy of this notice **MUST** be returned with the reply. Please address response to  
"Mail Stop Issue Fee, Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450".*

Don Fairchild  
Office of Patent Publication  
Phone: 703-308-9250, ext. 126

# NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftspersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review of the Drawing Review Branch, 703-305-8400.

The drawings filed (first, date) 6-7-95  
 A. ☒ not objected to by the Draftsperson under 37 CFR 1.84 or 1.152  
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The list and/or correction of new or corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.

- DRAWINGS.** 37 CFR 1.84(a). Acceptable engineering drawings.  
 (1) ☒ Black ink. Color.  
 (2) ☒ Not black solid lines. Fig(s) 1, 3-12, 15, 16, 19A-22, 26  
 (3) ☒ Other drawings are not acceptable until permission is granted. Fig(s) 1, 3-12, 15, 16, 19A-22, 26
- PHOTOGRAPHS.** 37 CFR 1.84(b).  
 (1) ☒ Photographs are not acceptable until permission is granted. Fig(s) 1, 3-12, 15, 16, 19A-22, 26  
 (2) ☒ Photographs not properly mounted (must use Bristol board or photographic double-weight paper). Fig(s) 1, 3-12, 15, 16, 19A-22, 26  
 (3) ☒ Poor quality (half-tone). Fig(s) 1, 3-12, 15, 16, 19A-22, 26
- GRAPHIC FORMS.** 37 CFR 1.84(d).  
 (1) ☒ Chemical or mathematical formula not labeled as separate figure. Fig(s) 1, 3-12, 15, 16, 19A-22, 26  
 (2) ☒ Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis. Fig(s) 1, 3-12, 15, 16, 19A-22, 26  
 (3) ☒ Individual waveforms not identified with a separate letter designation adjacent to the vertical axis. Fig(s) 1, 3-12, 15, 16, 19A-22, 26
- TYPE OF PAPER.** 37 CFR 1.84(c).  
 (1) ☒ Paper not flexible, strong, white, smooth, nonshiny, and durable. Sheet(s) 1, 3-12, 15, 16, 19A-22, 26  
 (2) ☒ Creases, alterations, overwritings, interferences, cracks, creases, and folds. Any machine marks not accepted. Fig(s) 1, 3-12, 15, 16, 19A-22, 26  
 (3) ☒ Mylar, vellum paper is not acceptable (too thin). Fig(s) 1, 3-12, 15, 16, 19A-22, 26
- SIZE OF PAPER.** 37 CFR 1.84(f). Acceptable sizes:  
 21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)  
 31.6 cm. by 33.1 cm. (8 1/2 by 13 inches)  
 21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)  
 21.0 cm. by 29.7 cm. (DIN size A4)  
 All drawing sheets not the same size. Sheet(s) 1, 3-12, 15, 16, 19A-22, 26  
 Drawing sheet not an acceptable size. Sheet(s) 1, 3-12, 15, 16, 19A-22, 26
- MARGINS.** 37 CFR 1.84(g). Acceptable margins:

Paper size			
21.6 cm. X 35.6 cm. (8 1/2 X 14 inches)	21.6 cm. X 33.1 cm. (8 1/2 X 13 inches)	21.6 cm. X 27.9 cm. (8 1/2 X 11 inches)	21.0 cm. X 29.7 cm. (DIN Size A4)
T 5.1 cm. (2")	2.5 cm. (1")	2.5 cm. (1")	2.5 cm. (1")
L .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")
R .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")
B .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")

Margins do not conform to chart above.

Sheet(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Top (T) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Left (L) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Right (R) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Bottom (B) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43

- VIEWS.** 37 CFR 1.84(h).  
 REMINDER: Specification may require revision to correspond to drawing changes.  
 All views not grouped together. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Views connected by projection lines or lead lines. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Partial views. 37 CFR 1.84(h) 2

- ☒ View and enlarged view not labeled separately or properly. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Sectional views. 37 CFR 1.84 (i).  
 Hatching not indicated for sectional portions of an object. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- ARRANGEMENT OF VIEWS.** 37 CFR 1.84(j).  
 Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned up so that the top becomes the right side, except for graphs. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- SCALE.** 37 CFR 1.84(k).  
 Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Indication such as "actual size" or scale 1/2" not permitted. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l).  
 Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (except for color drawings). Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- SHADING.** 37 CFR 1.84(m).  
 Solid black shading areas not permitted. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Shade lines, pale, rough and blurred. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p).  
 Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1) Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR (p)(3) Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- LEAD LINES.** 37 CFR 1.84(t).  
 Lead lines cross each other. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Lead lines missing. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t).  
 Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- NUMBER OF VIEWS.** 37 CFR 1.84(u).  
 Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 View numbers not preceded by the abbreviation Fig. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- CORRECTIONS.** 37 CFR 1.84(w).  
 Corrections not made from prior PTO-948. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43
- DESIGN DRAWING.** 37 CFR 1.152.  
 Surface shading shown not appropriate. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43  
 Solid black shading not used for color contrast. Fig(s) 1, 3-12, 15, 16, 19, 21, 22, 24-34, 42, 43

## COMMENTS:

*Fig legend not larger than reference characters figs. 1-43*